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FORM PTO-1390 U.S. Department of Commerce Patent and Trademark Office

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371

Attorney's Docket No. 1751-373

U.S. Application No (if known, see 37 CFR 1.5) 10/523804 New Application

INTERNATIONAL APPLICATION NO.	INTERNATIONAL FILING DATE	PRIORITY DATE CLAIMED
PCT/KR02/01951	October 18, 2002	August 12, 2002

TITLE OF INVENTION
METHOD FOR MANUFACTURING MESOPOROUS ALUMINA MOLECULAR SIEVE AND ALUMINA NANOTUBE AND USE OF THE ALUMINA NANOTUBE FOR STORAGE OF H2

APPLICANT(S) FOR DO/EO/US
Jae Sung LEE et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 a. ☐ is attached hereto (required only if not communicated by the International Bureau).
 b. ☐ has been communicated by the International Bureau.
 c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
 a. ☐ is attached hereto.
 b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 b. ☐ have been communicated by the International Bureau.
 c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 d. ☒ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

ITEMS 11. TO 20. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98 with International Search Report.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A preliminary amendment.
14. ☒ An Application Data Sheet under 37 CFR 1.76.
15. ☒ A substitute specification.
16. ☐ A power of attorney and/or address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13*ter*.2 and 35 U.S.C. 1.821-1.825
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information:

Copies of:
-Published International Publication (47 pages)
-PCT Request (6 pages)
-IPER (5 pages)
-PCT/IB/301 (3 pages)
-PCT/IB/304 (1 page)
-PCT/IB/308 (1 page)
-PCT/IB/332 (1 page)
-PCT/IB/371 (1 page)

U.S. APPLICATION NO. (If known, see 37 CFR 1.5) New Application 10/523804	INTERNATIONAL APPLICATION NO. PCT/KR02/01951	ATTORNEY DOCKET NO. 1751-373	
The following fees are submitted: 21. ☒ Basic National Fee $300.00		$300.00	
22. ☒ Examination Fee If International Preliminary Examination Report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1) – (4) $100.00 All other situations..... $200.00		$200.00	
23. ☒ Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... $100.00 International Search Report prepare and provided to the Office..... $400.00 All other situations..... $500.00		$400.00	
	TOTAL OF 21,22 and 23=	$900.00	
☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is $250 for each additional 50 sheets of paper or a fraction thereof.		$	

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100=	/ 50		X 250.00		
Surcharge of $130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).					

Claims	Number Filed	Number Extra	Rate		
Total Claims	33 -20 =	13	X $50.00	$650.00	
Independent Claims	3 - 3 =	0	X $200.00	$	
Multiple dependent claim(s) (if applicable)			+ $360.00	$	
			TOTAL OF ABOVE CALCULATIONS =	$1550.00	
☒ Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				$775.00	
			SUBTOTAL =	$	
Processing fee of $130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +				$	
			TOTAL NATIONAL FEE =	$	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). $40.00 per property +				$40.00	
			TOTAL FEES ENCLOSED =	$815.00	
				Amount to be refunded	$
				charged	$

a. ☒ Checks in the amount of $ 775.00 and 40.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 02-2135 in the amount of $_____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 02-2135. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:
Customer No. 6449

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G. F. Rothwell
Signature

G. Franklin Rothwell
Name

18,125
Registration Number

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No.	: New Application
Applicant	: Jae Sung LEE et al.
Filed	: Herewith
TC/A.U.	:
Examiner	:
Docket No.	: 1751-373
Customer No.	: 06449
Confirmation No.	:

SUBMISSION OF SUBSTITUTE SPECIFICATION

Director of the United States Patent
and Trademark Office
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

A substitute specification is being submitted herewith. A clean copy and marked copy of the specification are attached. No new matter has been added.

Respectfully submitted,

By: G. F. Rothwell

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